EQUIPMENT

I. MOUTHPIECES
(Common)

Tip Openings Become gradually more Open L to R
The HS2* is in between the 11.6 and the B45

<table>
<thead>
<tr>
<th>Close</th>
<th>Med Close</th>
<th>Med</th>
<th>Med Open</th>
<th>Open</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ HS *</td>
<td>✓ 5RV</td>
<td>❖ SRVL</td>
<td>✓ C85 - 115</td>
<td>✓ VD 11.6</td>
</tr>
<tr>
<td>✓ M 13</td>
<td>❗ M15</td>
<td>❖ M30</td>
<td>❖ B45</td>
<td>❗ B40</td>
</tr>
</tbody>
</table>

Legend
- ❗ Not tried
- ✓ Tried
- ❖ Like

No Tip Info

<table>
<thead>
<tr>
<th>✓ Fobes Nova CF+</th>
<th>❖ Fobes Debut</th>
<th>✓ Garrett D</th>
<th>❖ Gennusa Mezzo</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Fobes Nova 3L</td>
<td></td>
<td>✓ Garrett DL</td>
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</tbody>
</table>

Bass Clarinet

| ✓ VD B44/45 | ❖ Selmer C* | ❗ VD B50 | ❗ Fobes | ✓ Garrett |

Use softer reeds (M,MS)
Use peg and strap

Mouthpiece Refinishing ($20 + $2 RTN postage)
Robert Umiker Hard Rubber Only
1548 E Hope St. Johnston like facing – med reeds
Fayetteville, AR 72701 Adjusts for warp, nicks, resistance, focus, and pitch

Generally, more resistance equals better tone. Standardization is a good start, but some students will need a different tip opening. Closer tips work with medium hard reeds/wider tips work with medium reeds. Increase reed strength or tip opening to correct chirps. Keep an assortment of good mouthpieces for students to try.

II. REEDS

Lurie 3 and a half (BEG), 4 (ADV)
Vandoren 3
V12 – 3, 3 and a half
V12’s generally play better than traditional Vandorens

Vandoren cane is dense. Lurie cane is soft. Vandoren 3 equals Lurie 4 in strength. V12 have thick backs and thin tips. Soft tips equal flat pitch. Hard tips equal sharp pitch.

Match the reed to the mouthpiece and player. Best sounding reed is a good Vandoren. Roughly half a box of reeds will play at first.
Reed Rules

1. Thumb Trick 7. Resurfacing
2. Brief Soaks 8. Slow Break-ins
3. Reed Keeper 9. Clipper
4. Number and Rotate 10. Remove and Dry
5. Fine sand paper to balance 11. Move up to strengthen – move down to soften

III. INSTRUMENTS

Buffet B12, E11, R13, GreenLine
Old Leblanc, Selmer, Yamaha Products
(Noblet 40 and 45, Signet, Yamaha INT Wood)

Wood horns can blow out in 10 years due to bore changes. Less expensive instruments may be unable to be repaired and may put the student at a disadvantage.

Long top joints and short barrels present pitch problems

IV. BARRELS AND BELLS

Moening (Buffet) Pull the Barrel for Open G
Scott Pull the Middle for Low C, High G
Backun (select) Pull the Bell for Long B & C
Backun Bells (select) Adjust Key Height for Throat Tones or
Duplicate original equipment Add Fingers to Lower Pitch

Over Blowing Causes Flat Pitch

66mm is the gold standard, but some instruments require a 65mm. Wood barrels can blow out in three years due to bore changes. Avoid mixing brands (bore taper).

V. LIGATURES, STRAPS, CAPS, CUSHIONS

Rovner (fabric) Blayman mp cushion
Luyben (plastic) Leblanc Lip Savers
Bonade (metal) Tight ligatures left on the mp can cause the mp to warp.
Beg (metal, add felt)

Claricord Strap (standard thumb rest)
BG strap (hook and eye)
Straps reduce fatigue and are a must for small players.
Use plastic mp caps.

VI. TOOLS (Teacher) Swabs (student)

Sani Mist MM Ruler Cloth or Silk – cut to fit
Screwdriver Set Reed Resurfacer MP Mouse
Bore Brush Tuning Fork MP Cloth (handkerchief corner)
Bore Oiler Reed Clipper Avoid pulling instrument swab through mp.
Fine Sandpaper Tuning Rings
Tuner WW MP Brush
Metronome Spring Hook
VII. REPAIR PROBLEMS

- Worn Joint Corks
- Incorrect Barrel
- Bridge Key adj
- Key Height adj
- Crow’s Foot adj
- Dry Bore – Cracks
- Worn Pads, Springs Off
- Swollen Joints

PEDAGOGY
(> Fix the Sound First)<

VIII. FUNDAMENTALS

A. Embouchure
Say ‘OOOHEE’
Anchor upper teeth
Chin down – U shape
Horn angle 30 to 40 degrees
Look straight across at the music
Firm diaphragm

- Arch back of tongue upward
- One/half red over bottom teeth
- Lips like rubber band
- Fast intense air
- Embouchure Drill (Barrel and mp = concert F#)
- (Mouthpiece alone = concert C)

B. Tonguing
Top of tip of tongue to bottom of tip of reed
Syllables TE Regular, DE Legato, NE Fast

C. Hand Position
Fingers Slightly Curved
Use Pads of Finger Tips
Left Thumb at 45 degree angle
Right Thumb – T. Rest in Front of Knuckle at Base of Nail

IX. CORRECTING TONE PROBLEMS

Use more mouthpiece to correct an undertone

Rule Out
Embouchure
Instrument
Repair Problems
Mouthpiece
Reed
Air Support

X. MATERIALS

Tryout Music and Scales - Focus on Hardest, but practice ALL.
Solos, Duets and Sight Reading Excerpts

PROCEDURE
Play a lot with student. Play a little for student. Listen to student play alone. Encourage student to practice.